

MINING NOTES OF INTEREST

RARE METAL IS DISCOVERED AT CUPRITE

A discovery has just been made at Cuprite which, if the deposits are found upon development to be of a permanent character, will place that district in the forefront of American mining centers. On the group of claims owned by California people, less than two miles west of the town of Cuprite, are vast outcroppings, for a width of several hundred feet, of what was always believed to be iron, and pioneers of the district have figured upon eventually finding a market for that metal, says the Goldfield Chronicle.

It now develops that this mineral carries a high percentage of titanium, an exceedingly valuable metal which occurs in conjunction with oxide of iron and which is employed in the hardening of steel and from which titanic acid is produced, the latter having a commercial value of \$239 per pound. Samples sent to San Francisco by Ellsworth Oldt, who has known of the deposit for the last four years, were subjected to the most exhaustive tests, requiring ten days to secure the results.

The samples were analyzed in the laboratory of one of the largest ore purchasing concerns in the west and three check analyses were secured from other chemists and assayers of repute. As a result of these tests the samples were found to carry an average of \$245.96 in titanium and \$30 in gold. The analysis also showed the presence of a trace of uranium, a metal associated with pitchblende and one of the most costly known. There was present also 60 per cent of oxide of iron, 20 per cent of silica and 4 per cent of moisture.

In an effort to pan this rock it was discovered that after the material had been ground in a mortar it failed to respond to a magnet, a sure indication that the mineral was not iron, or iron of the character usually encountered. In South America deposits of titanium are being worked at a profit which yield but a fraction of 1 per cent in the mineral. The rock sent to the coast for analysis was a grab sample taken from the cropping two feet above the earth's surface and its content of the rare metal is about 3 1/2 per cent.

Expert mineralogists declare that it is probable rich seams of the mineral will be encountered at no great depth which may run as high as 20 per cent in the metal. The ore buying concern which conducted the experiments and returned the figures quoted declares that it will pay 70 cents per pound for ore of this character which samples 20 per cent in titanium. The metal is of eight and one-half times the value of tungsten

or wolframite and is in great demand with steel foundries and armor plate factories throughout the world.

The discovery of the contents of the rock has caused immediate steps to be taken by the owners of the ground to develop the deposit and a force of five men was taken out this morning by W. R. Birmingham, a wealthy lumberman who lives at Berkeley, California, with that object in view. The claims are the property of the Cuprite Gold Mining company of which Mr. Birmingham is the head and of which he has assumed the management. Since the discovery of the rich values in the rock a number of applications for leases have been made to the heads of the company, but none will be granted for the present until the character of the deposits shall have been fully determined.

A remarkable feature of the sulphur found in the Cuprite district is its association with the rarer metals. Some mineralogists have declared that eventually sulphur will be merely a by-product from these deposits, which carry both gold and quicksilver. In bunches of the sulphur and in many places the stains of cinnabar occur in a manner indicative of the presence of considerable deposits nearby. Assays made in Goldfield have returned from \$8 to \$18 per ton in gold, while analysis of the mineral made in Cincinnati and Los Angeles gave the gold contents at over \$100 per ton, one assay giving the gold content at over \$1000. Experiments are to be continued with a view to determining the average of gold contained in the sulphur.

MOVER IN CARSON CITY.

CARSON CITY, Dec. 8.—Charles Moyer, president of the Western Federation of Miners, is spending several days in this city in the interest of Preston and Smith, the men convicted of the murder of John Silva, the restaurant keeper of Goldfield, during the labor troubles there. Moyer will be joined in this city by Jim Burns, also a prominent Western Federation official, and the two will work together in behalf of the convicted men.

ORE SHIPMENTS FOR THE WEEK

The following statement of ore shipments from Tonopah for the first week of December, 1908, is furnished by the Tonopah and Goldfield railway:

From Tonopah—	Tons.
Belmont	739
Jim Butler	343
Midway	92
West End	135
Broken Hills	22
MacNamara	38
Total	1369
From Goldfield—	Tons.
Western Ore Purchasing Co.	258
Anglo California Bank	262
W. S. McCormack	550
Total	1070

NEW TREASURE IN THE FLORENCE

GOLDFIELD, Dec. 9.—The richest discovery on the Goldfield Florence ground since the famous Engineers lease, was uncovered in the adjoining block of ground to the east, formerly known as the Daisy Florence, and now the property of the Mitchell-Fairfield Development company, last Sunday.

A sample of the stuff shown last night one and a half inches long by one inch wide and a quarter of an inch thick, resembled the famous Cobalt silver ore, except that it was gold and worth at least \$300,000 per ton. The pure metal was simply plastered on the quartz as if a piece of gold mortar had been slapped there with a trowel.

There is metal in the rock that to the naked eye looks like pure gold. The seam, about a quarter of an inch in width, is not necessary to assay, as there is by far more gold than quartz. When tested by fire separately from the choice pieces, this statement is borne out.

Another glory hole has been opened up, and as the lease has until the middle of April to run, an immense amount of gold will be taken out in that time. The former lessees from Chicago must have spent \$150,000 on the ground without getting any returns.

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K. G. BALL WAS VERY ENJOYABLE

The anniversary ball given last evening at the Miners Exchange hall by the Tonopah Council Knights of Columbus was one of the largest attended functions of the year and was a success in every way. Dancing started promptly at 9 o'clock and was kept up until a late hour this morning. A number of people from Goldfield came over on the evening train to attend the ball, and were loud in their praises of the way visitors were entertained. The dances of the Knights of Columbus are annual features and are always looked forward to with great interest by the dancing public of this city.

IN THE DISTRICT COURT.

O. S. Avery, who was found guilty Wednesday of receiving stolen goods, appeared in the court yesterday afternoon and his counsel made a motion that he be admitted to bail, which was refused by the court. Avery will be sentenced Saturday.

The case of the Herring-Hall-Martin Safe company vs. Letson Balliet was continued yesterday until Saturday morning.

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GOLDFIELD MAN WAS KILLED AT GOLCONDA MINE

William Lindquist, well known about Goldfield, and for some time employed on a hoist on the Golconda mining claim, either committed suicide or was accidentally killed by a pistol shot about 1 o'clock Saturday morning in his cabin. Lindquist had spent the night, prior to 12 o'clock in dissipation, being accompanied about town by his room-mate, Harry Falk. When the pair reached their home Lindquist was well under the influence of liquor and could hardly stand. Just before the fatal shot was discharged, as stated by Falk, Lindquist was leaning over his cot examining the contents of a suit case. Falk's back was turned when he heard his room-mate slip and then came the report of a pistol. It is presumed that he picked up the pistol, which is an automatic, from the suit case, and while examining it, fell face downward on the bed, the weapon being discharged during the fall. The bullet entered Lindquist's left side just above the heart. Lindquist was about 25 years of age and a man of exceptionally fine physique. —Virginia Chronicle.